



# CONTRACTOR'S **OUTREACH**

SFOBB MAINTENANCE COMPLEX

04-014114



November 16, 2017

# CONTRACTORS **OUTREACH**

## AGENDA



- **Welcome and Introductions**
- **Project Presentation**
  - **Small Business Contract Goals**
  - **Site information**
  - **Building Overview**
  - **Construction Information**
- **Q & A**
- **Networking - Primes and Subs**

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## INTRODUCTION



### ▪ **Who's here today - Introductions**

#### **A) Introduction of the Caltrans Project Delivery Team**

- **Al B. Lee – Project Manager**
- **Frank Thomas – Project Architect**
- **James Lacy – Project Electrical Engineer/LEED Specialist**
- **Sean Samuels / Robert Du Plaine – Project Structural Engineer**
- **An Nguyen – Project Engineer**
- **Ayanna Nobles – Caltrans Small Business Advocate**

**B) Self Introduction of Prime Contractors – Name, company name, bid items you may be subcontracting.**

**C) Self Introduction of attendees: Name, company name, trade that your are in, certification.**

# **PROJECT SMALL BUSINESS GOALS**

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CALTRANS SMALL BUSINESS PROGRAM GOALS



- **Increase Small Business Participation**
- **Increase Contracting Opportunities**
- **Create Relationships between Prime Contractors, Small Businesses, and Disadvantaged Business Enterprises (DBE)**
- **Register your business today at DGS Website:**
  - **<http://www.dgs.ca.gov/pd/Programs/OSDS/GetCertified.aspx>**

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CALTRANS SMALL BUSINESS PROGRAM GOALS



## **CALTRANS EXECUTIVE ORDER S-11-0**

“California Department of Transportation will encourage, and whenever possible, increase small business participation, including Disadvantaged Business Enterprises (DBE), in federally-assisted highway and transit-related projects”

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CALTRANS SMALL BUSINESS PROGRAM GOALS



# **SITE INFORMATION**

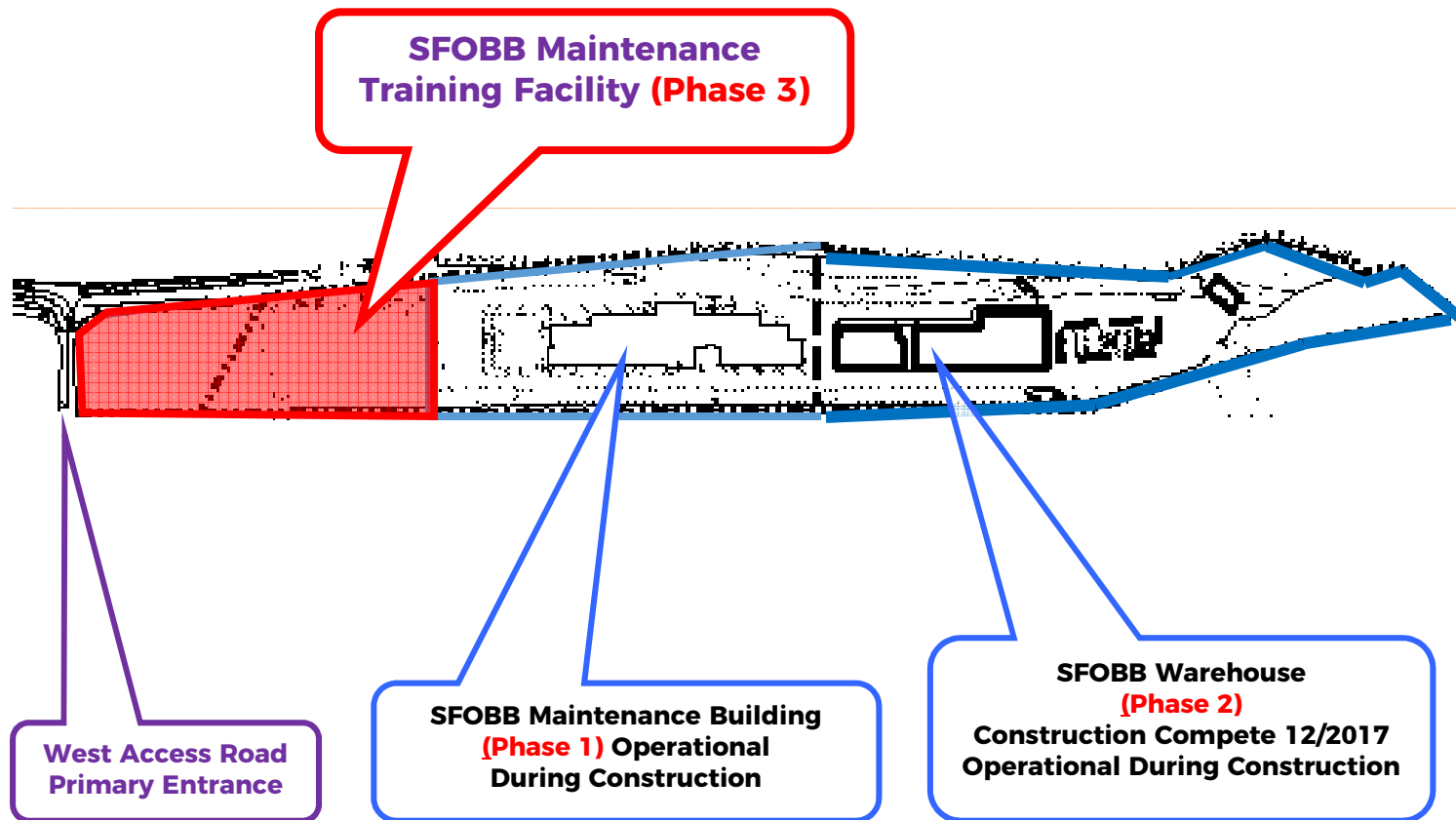






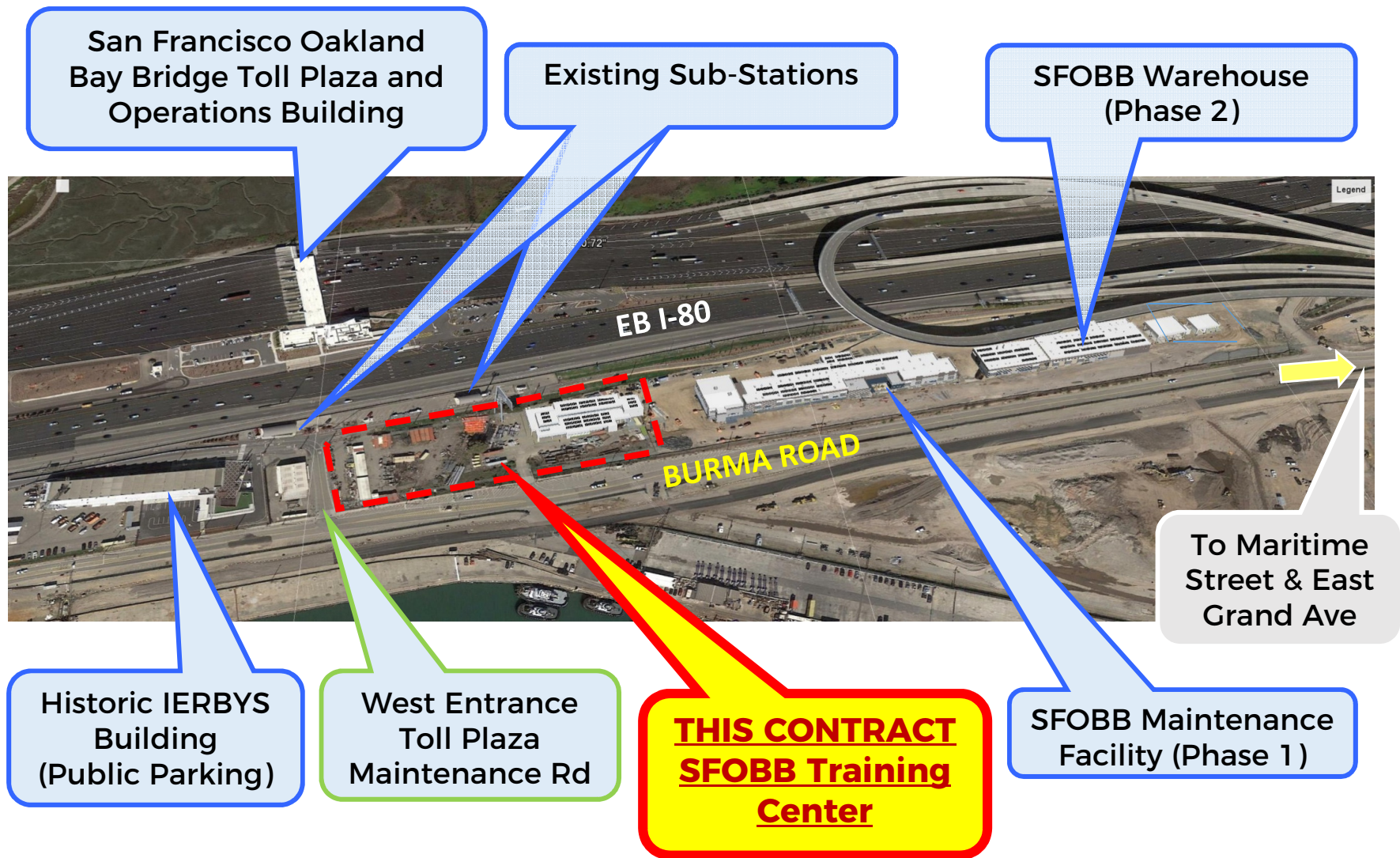
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## SFOBB MAINTENANCE COMPLEX BUILDINGS



# CONTRACTORS **OUTREACH**

## SITE AERIAL OVERVIEW



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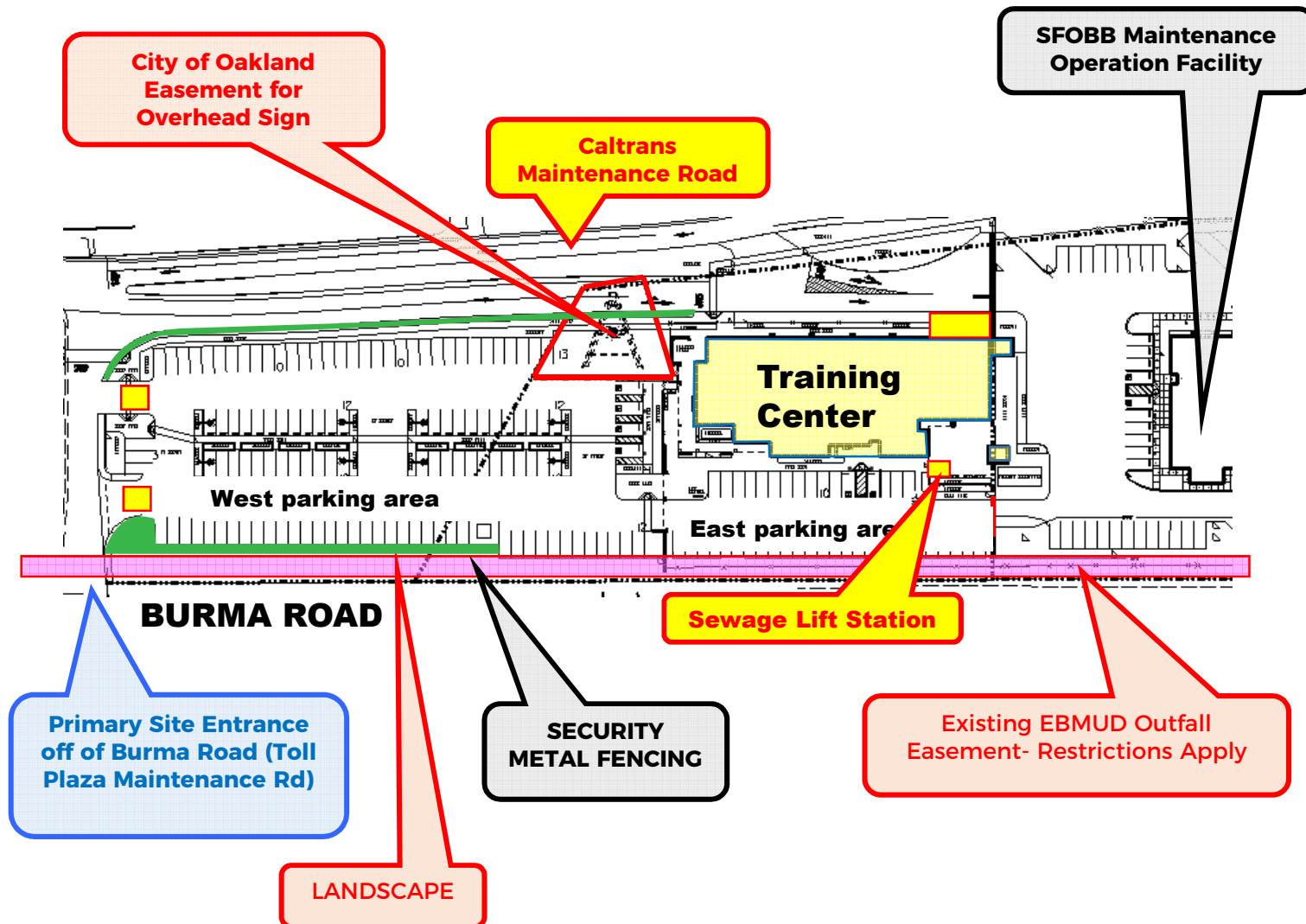
EXISTING SITE

**Caltrans**  
DISTRICT  
**4**



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## SITE FEATURES AND EASEMENTS





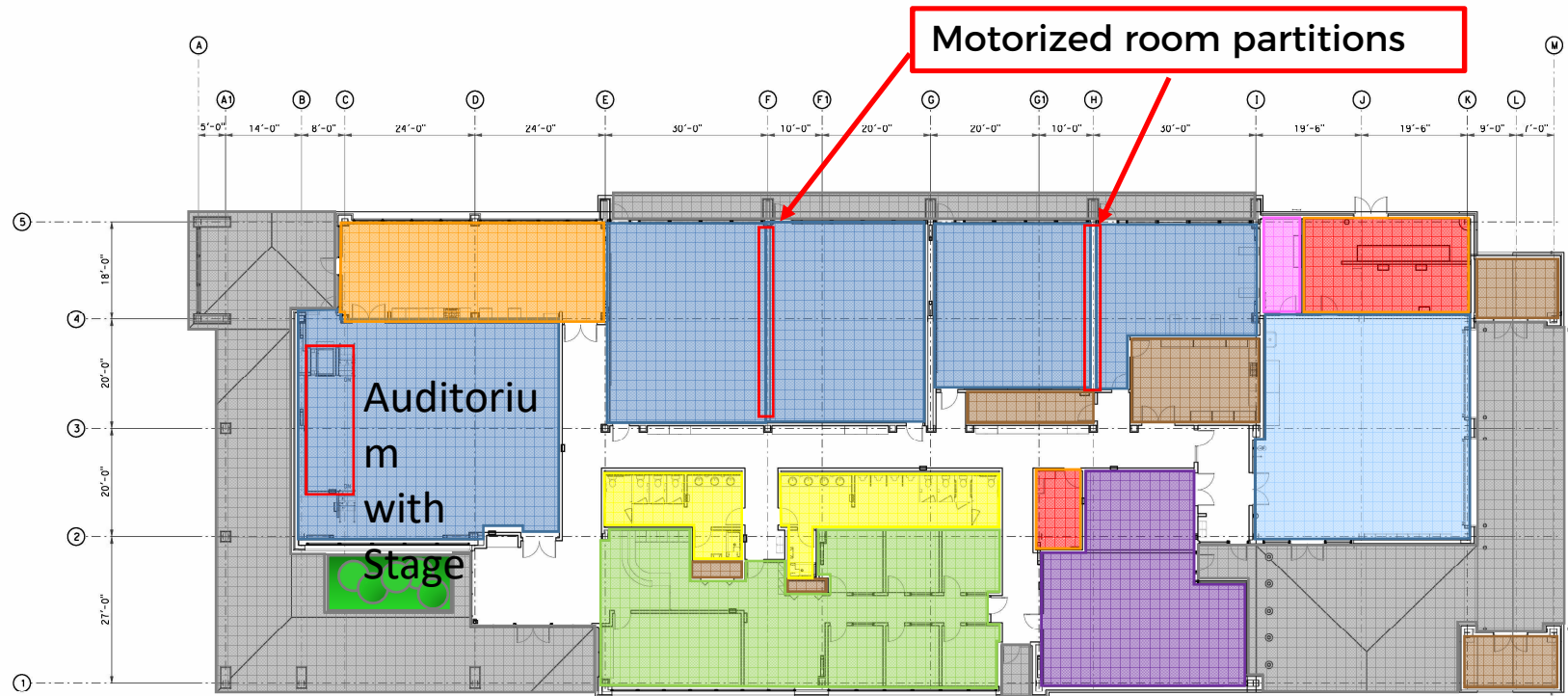
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TRAINING CNTR. BUILDING SYSTEMS & FEATURES



# **BUILDING SYSTEMS & FEATURES**

# CONTRACTORS OUTREACH PROJECT LOCATION



	Breakroom		Lobby & Hallways		Storage
	Vehicle Equip Training		Restroom & Showers		Janitorial
	Training Classrooms		Office & Conference		Landscape
	Training- Computer Lab & Simulators		Elec/Mech/IT		Concrete Flatwork over Piles & Grade Beams

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## TRAINING CNTR. BUILDING FEATURES



**Single story 16,655 SF Occupied Space with the following rooms/areas:**

- **Lobby/reception**

- **Training**

- **1 large classroom for 100+ students**
- **4 classrooms for up to 50 students (Can open up to 100 students with desks/200 students without desks)**
- **2 training bays with rollup doors**
- **Simulator room for 3 driving simulators and trainer's station**
- **Computer training classroom for up to 16 students**

- **Office and conference**

- **3 offices for staff**
- **1 conference room for 12-15 people**
- **3 breakout rooms**

- **Supporting rooms**

- **Break room/Kitchenette for up to 50 people**
- **Storage space for tables, chairs, and equipment storage**
- **Restrooms with showers**



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## STRUCTURAL AND ARCHITECTURAL FEATURES



- **Structural**

- **Steel Moment Resisting Frame**
- **Metal Deck over Open-Web Steel Joists**
- **Cold formed steel**
- **Foundation**
  - ❖ **Concrete Slab**
  - ❖ **Concrete Piles and grade beams**

- **Structural**

- **Moment Open-Web Steel Joists**
- **Cold formed steel Resistive Steel Frae**
- **Metal Deck over studs & joists**
- **Foundation**
  - ❖ **Concrete Slab**
  - ❖ **Piles (Class 140) and grade beams**

- **Architectural**

- **Insulated exterior metal wall panels**
  - ❖ **Coating finish for marine environment**
- **Concrete stem wall at base of walls**
- **Single Ply TPO Roofing (cool roof)**
- **Curtain wall and Storefront window assemblies**
  - ❖ **Coating finish for marine environment**

➤ **Power System -**

- ❖ **12 kV Feeder from nearby Caltrans Substation**
- ❖ **Integrated facility switchboard (IFS)**
- ❖ **Arc Flash Analysis & CB Trip Coordination required**
- ❖ **Power Meters and Energy Monitoring System**
- ❖ **Ballasted PV System with automatic Washing**

➤ **All LED Lighting System -**

- ❖ **Automatic controls - Day-lighting, Dimming, OC's, scene controls, room lighting schedules**
- ❖ **Auditorium Stage lighting**
- ❖ **Power & Cat 5 wiring**
- ❖ **Network addressable system**
- ❖ **Exterior (bld) fixtures have integrated Dimming**

- ❑ **Packaged submittals required, Commissioning required, plans and specifications provide details**

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## ELECTICAL FEATURES



- **Security system - building devices and gates**
- **Fire Alarm System – room and HVAC shutdown**
- **Small CCTV System - pole mount cameras**
- **Comm System – Rack mounted eqpt, cabling to room devices for complete communication system**
- **Conduit system for future AV equipment**
- **Metering Dashboard for Power Monitoring**
- **UFER Ground East of Mech/Elec room**
- **2 EV Chargers – Dual Level 2**
- **Switched outlets by OC's – per Title 24**
- **Wall and Floor receptacle and comm outlets**
- **Motorized - roller shades, projection screens and room partitions**

- ❑ **Packaged submittals required, Commissioning required, plans and specifications provide details**

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## MECHANICAL FEATURES



- **HVAC Equipment**

- **Office areas, Training Rooms and Auditorium**
  - ❖ **High Efficiency HVAC w/VAV boxes**
  - ❖ **Insulated ducting for sound attenuation**
  - ❖ **Zones with individual and Central controls**
  - ❖ **Exhaust fans for restrooms and showers**
- **East End of Bld (Janitor, Mech/Elec & Truck Bays)**
  - ❖ **Radiant Heater in Truck Training Bays**
  - ❖ **Exhaust fans**

- **Plumbing Equipment**

- **High efficiency plumbing fixtures (LEED)**
- **Hot water recirculation system**
- **Dual water plumbing System (Potable/Non- Potable)**
- **Currently only potable to fixtures**

**Fire Sprinkler (contractor design -with SFM review)**

**Fire Hydrants with cathodic protection**

**Digital gas meters - Part of Energy Monitoring System**

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BUILDING EXTERIOR



**EXTERIOR**

# CONTRACTORS OUTREACH

## BUILDING EXTERIOR



**Continuity with the SFOBB Maintenance Building is achieved through the use of the same exterior finish system, the same emphasis on strong horizontal lines, and similarly stylized overhangs.**



**VIEW AS SEEN FROM BURMA ROAD**

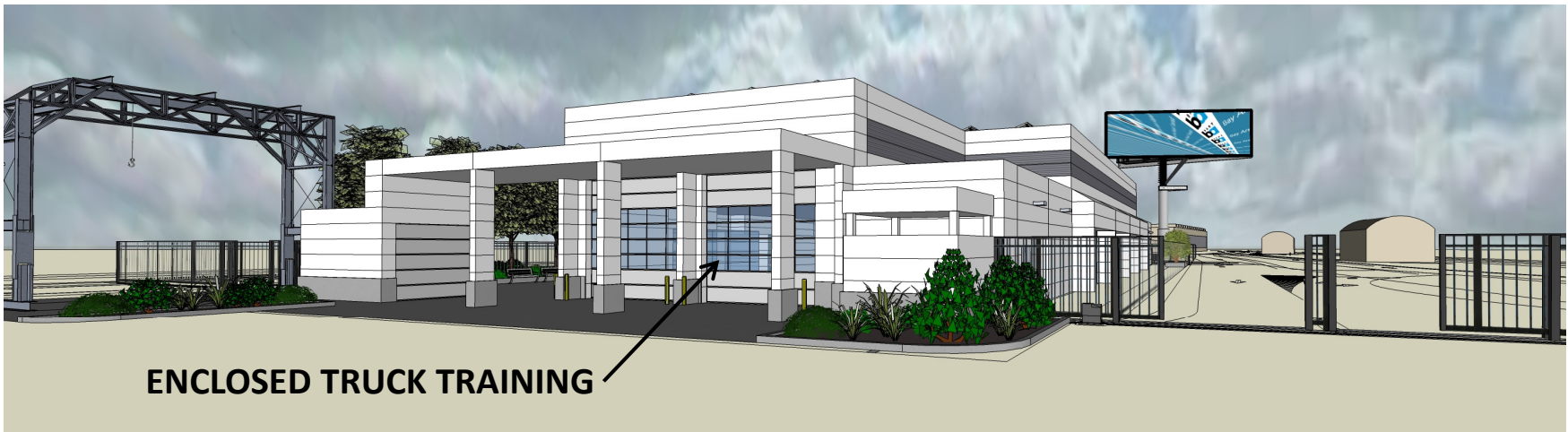


**VIEW AS SEEN FROM FREEWAY**





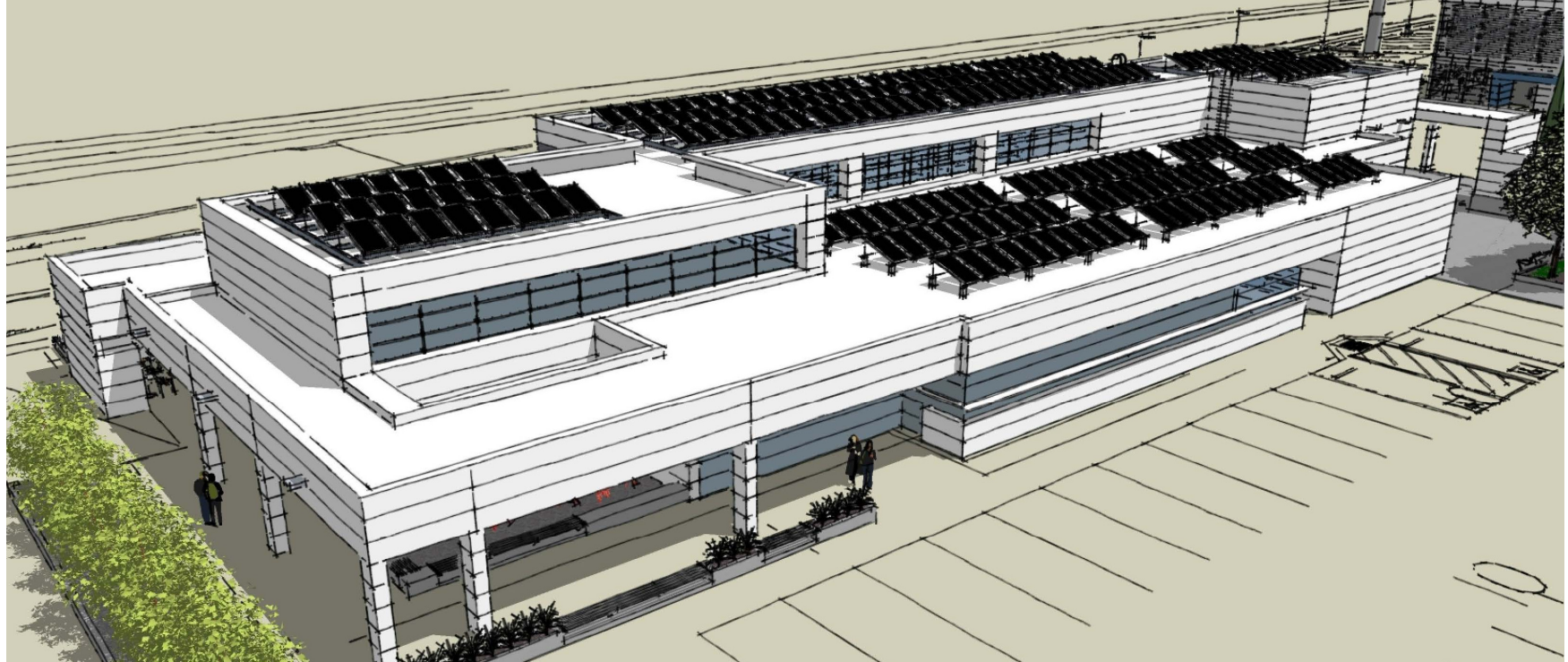
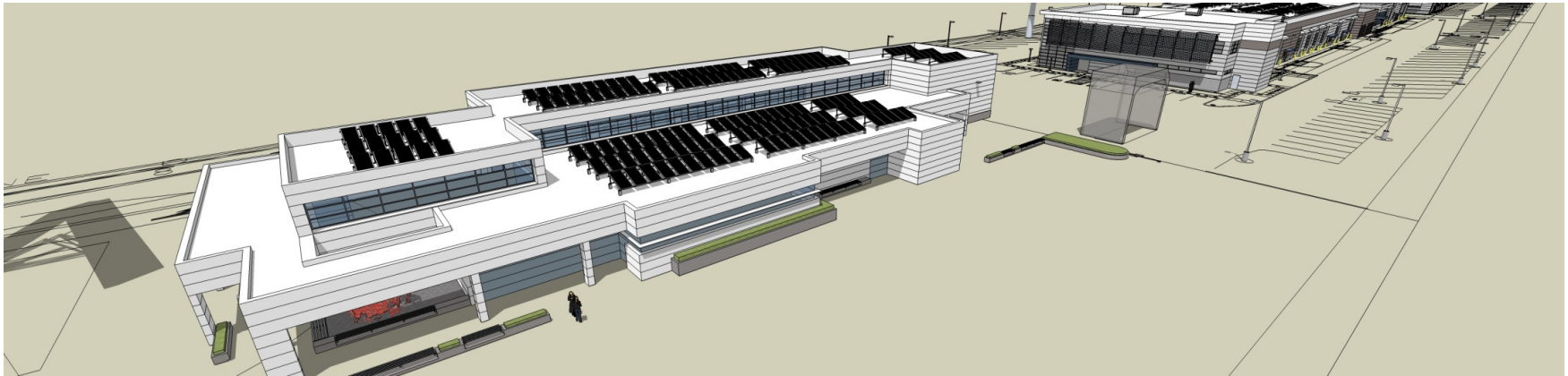
**FRONT ENTRANCE**



**ENCLOSED TRUCK TRAINING**

**NORTH EAST SIDE OF BUILDING LOOKING WEST**





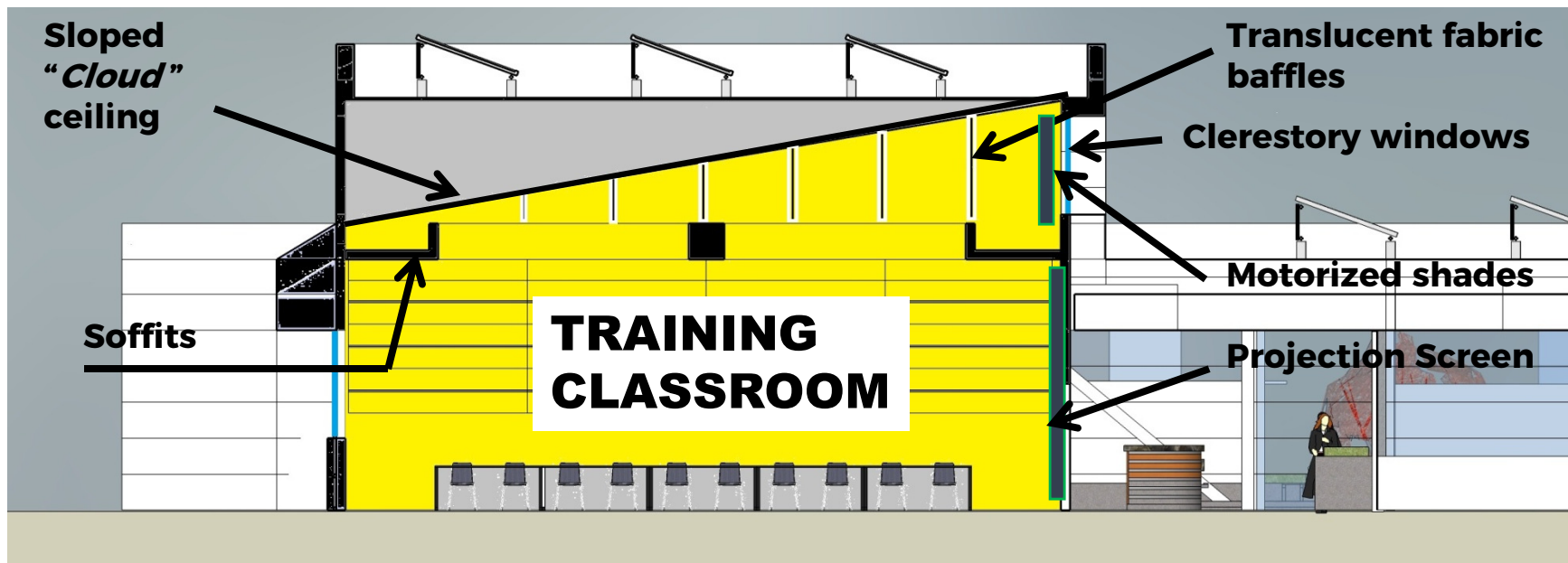
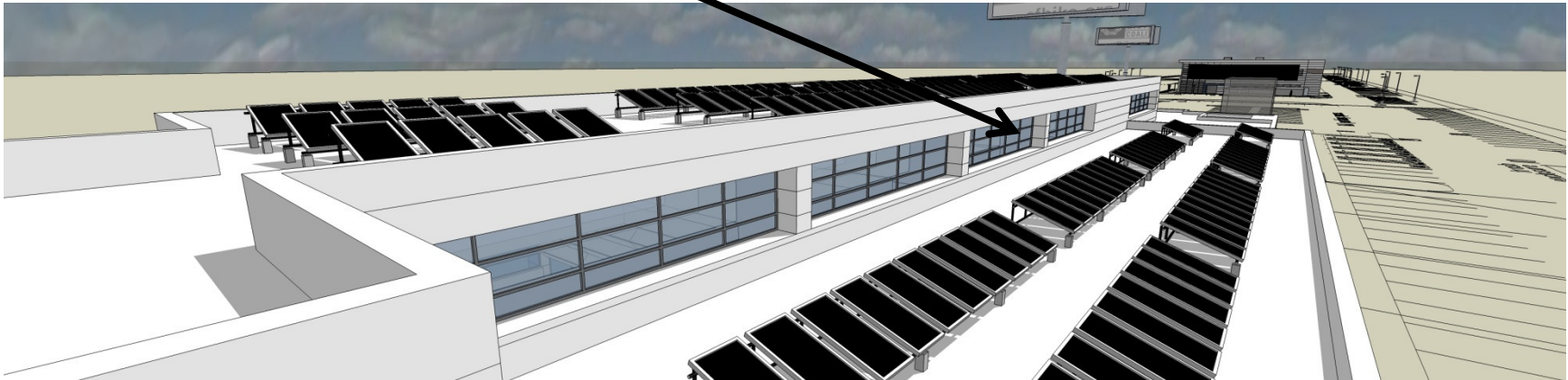
**AERIAL VIEW LOOKING NORTH EAST**

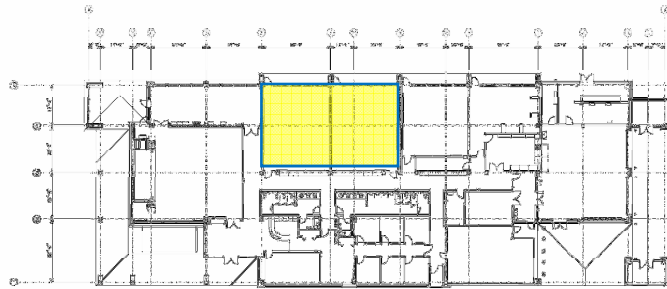
# **SFOBB TRAINING BUILDING INTERIOR FEATURES**

# CONTRACTORS OUTREACH

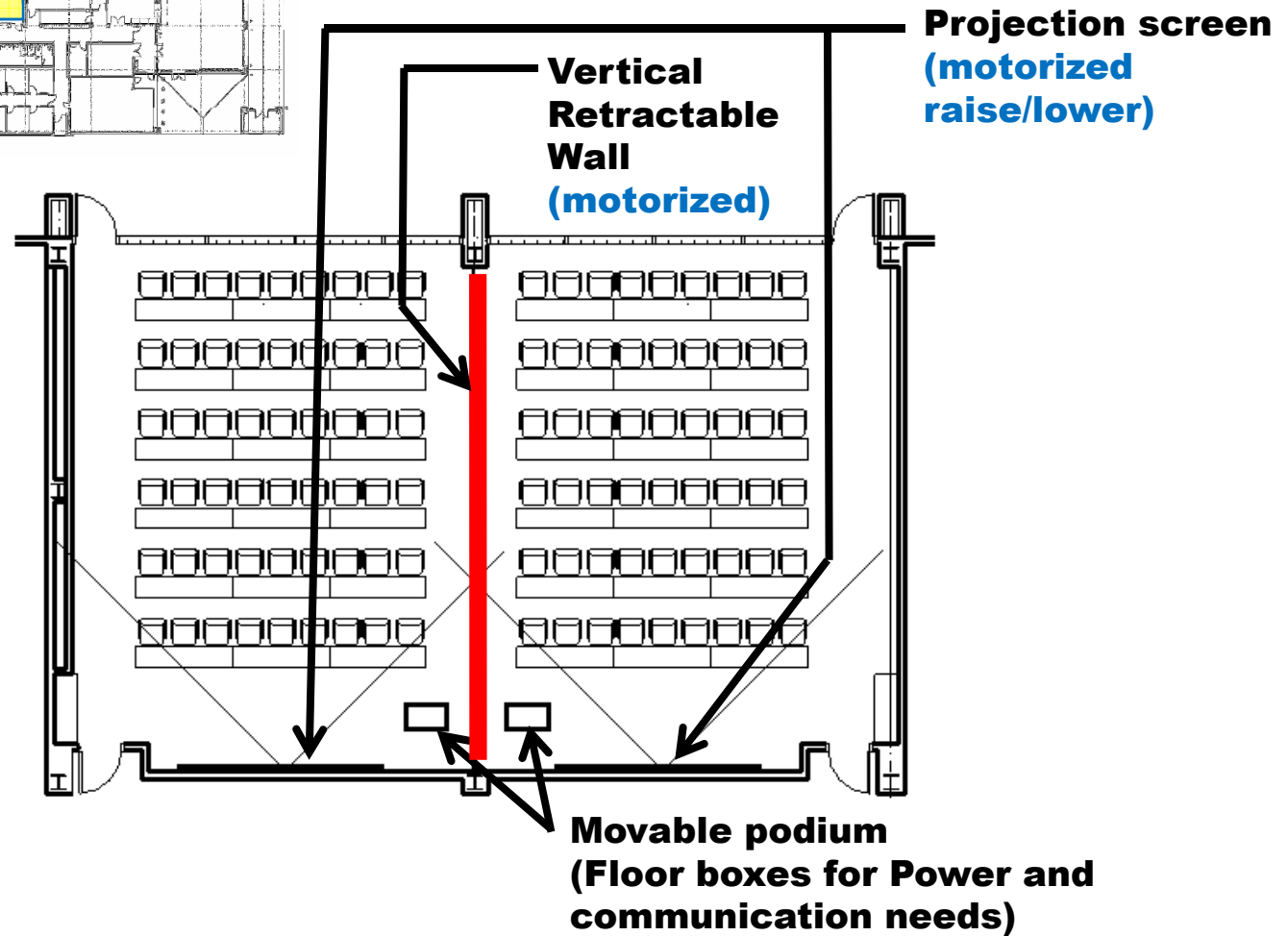
## ROOF AND CLASSROOM DETAILS

Clerestory windows

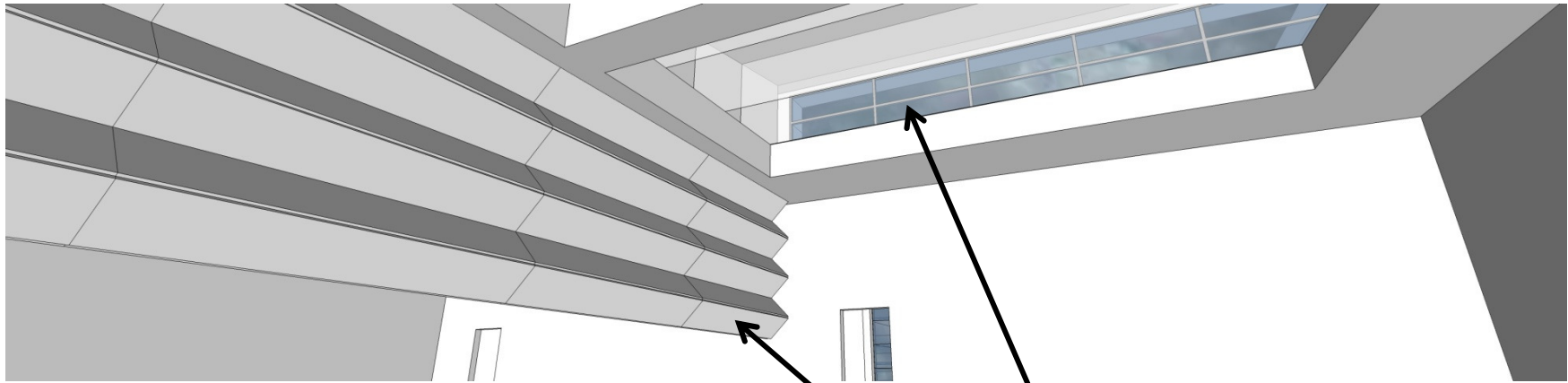




**2 Configurations possibilities**  
**Wall up**  
**Wall down**



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**CLERESTORY  
WINDOWS**

**VERTICAL  
RETRACTABLE  
WALL (MOTORIZED)**

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LEED INFORMATION



# LEED



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BUILDING INTERIOR EXTERIOR



- **Design includes Credits for Silver Rating (V3)**
  - **Caltrans Commissioning Authority**
  - **Contractor hires qualified “LEED Manager”**
    - ❖ **LEED Meetings and Construction Templates**
    - ❖ **LEED Action Plans and Credit Work**
- 
- ❖ **Specifications have details for credits and actions required**



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CONTRACT & CONSTRUCTION INFORMATION



# **CONTRACT & CONSTRUCTION INFORMATION**

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## ADDITIVE BID INFORMATION



**This contract includes requirements for an Additive Bid Item**

**Replaces Section 3-1.02a of 2015 Standard Specifications with the following:**

### **3-1.02A General**

**The Department compares bids based on the sum of the item totals including Additive Item 1 when the sum is less than or equal to the funds available.**

**Otherwise, the Department may (1) seek and request additional funding and compare bids based on the sum of the item totals including the additive item or (2) compare bids on the item totals without the additive item.**

**The estimate for the funds available is \$13,800,000. When the contract is awarded, the Department notifies the Contractor whether the additive item will be included in the Contract.**

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## CONSTRUCTION INFORMATION



**Bid Opening:**

**December 6, 2017**

**Number of Working Days:  
(excluding Plant establishment)**

**300 Working Days**

**Plant Establishment:**

**250 Working Days**

**This project has a DVBE participation incentive up to \$250K**

Caltrans Construction office is located on Burma Road

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BID INQUIRY SUBMISSIONS



**PLEASE SUBMIT ALL BIDDER INQUIRIES FOR THIS  
PROJECT, IN WRITING, TO THE WEBSITE LINK BELOW:**

**[Www.Dot.Ca.Gov/hq/esc/oe/inquiry/oe\\_view.Php](http://www.Dot.Ca.Gov/hq/esc/oe/inquiry/oe_view.Php)**

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## SFOBB Training Center

